



Intel® Pentium® 4 Processor with HT Technology

Quick Reference Guide for Consumer Desktop PCs.

April 2003



www.intel.com

**The Intel® Pentium® 4 Processor with
HT Technology gives consumers an incredible
PC experience today, and plenty of headroom
for what's coming tomorrow.**

- Delivers an extra gear of performance
- Lets Windows® XP "see" two processors instead of one
- Gives consumers the power to do more at once
- Designed for the future of software, the Internet and computing technology

Intel's new platforms deliver exciting new features.

While the processor is the “brain” of the PC, other platform components contribute to overall responsiveness, performance and reliability. Continuing in the tradition of ongoing platform improvements, the new Intel® 875P chipset and the Intel® 865 chipset family deliver advanced features that enhance the desktop experience.

Feature	Benefit
Intel® Performance Acceleration Technology (PAT) Intel® 875P chipset	Fast memory access for better system performance
800 MHz FSB Intel® 875P, 865G and 865PE chipsets	Improved system responsiveness
Dual channel DDR400	Rich gaming and digital media creation
AGP 8X	Intense graphics and outstanding 3D realism
Intel® Extreme Graphics 2 Intel® 865G chipset	Advanced graphical experience for mainstream users
Serial ATA	Quick loading of digital media
5.1 channel surround sound support	“Home Theater” PC experience

What is Hyper-Threading Technology?

HT Technology is a desktop processor advancement that allows Windows XP to “see” two processors instead of one, for an immediate performance improvement, especially when multitasking. Pioneered on Intel's most sophisticated server processors, HT Technology is now available to consumers on the Intel Pentium 4 Processor with HT Technology.

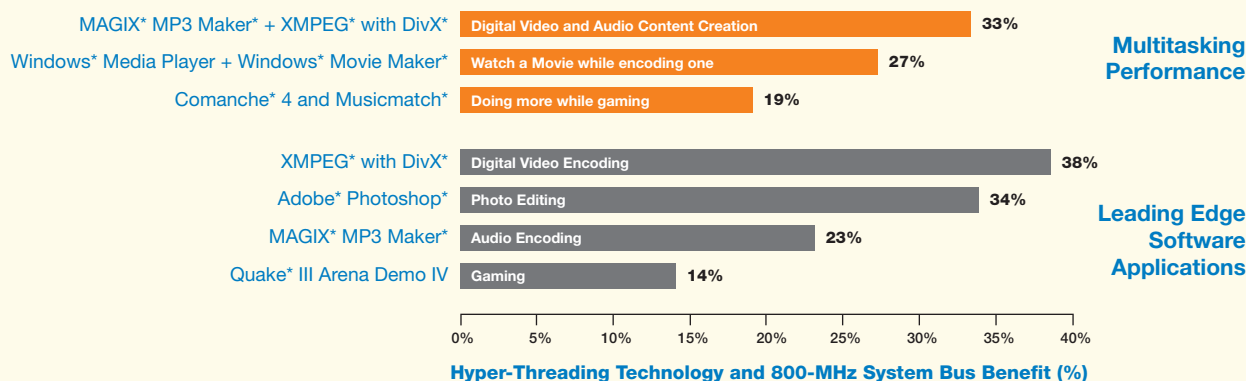
A helpful analogy for explaining HT Technology is a chef trying to cook an elaborate dinner with only one pan. Adding a second pan would allow the chef to complete the meal much faster. In the same way, HT Technology processes two streams of tasks simultaneously, allowing users to do more in less time.

Turbo-charged performance for an enhanced computing experience.

The Intel Pentium 4 Processor with HT Technology gives consumers the power to get the most out of today's advanced programs and games—and to do more things at once without slowing down.

- Run multiple applications without sacrificing performance
- Play, download and convert music at the same time
- Create a feature film in less time
- Edit photos on the fly, while running other tasks in the background
- Experience incredible gaming realism through advanced artificial intelligence and physics engines

Immediate performance boost on today's popular software packages



Source: Intel® Configuration: Pentium® 4 processor 2.40 GHz/533—Intel® 875P Chipset Desktop Board, 512 MB DDR400; Pentium® 4 processor with HT Technology 2.40C GHz/800—Intel® 875P Chipset Desktop Board. 512 MB DDR400; All Platforms ATI® Radeon® 9700 Pro AGP 8X, Graphics Driver 6166, Microsoft® Default UDMA-5, Intel® Chipset Software Installation Utility 5.00.1003 beta, IBM® 80GB 120GXP IC35L080AV/A07-0 ATA-100 Hard Drive; Intel C & Fortran compilers 6.0 for SPEC, DirectX® 8.1, Windows® XP Build 2600 SP1, 100 Mbps Intel Pro/100+ Management PCI LAN Card. Performance tests and ratings are measured using specific computer systems and/or components and reflect the approximate performance of Intel products as measured by those tests. Any difference in system hardware or software design or configuration may affect actual performance.

For the most current product information, visit Intel's Web site at <http://www.intel.com>

This document includes information concerning the Intel® Pentium® 4 processor with support for Hyper-Threading Technology. Hyper-Threading Technology requires a computer system with an Intel® Pentium® 4 processor supporting HT Technology and an HT Technology enabled chipset, BIOS and operating system. Performance will vary depending on the specific hardware and software you use. See www.intel.com/info/hyperthreading for more information including details on which processors support HT Technology.

Intel, the Intel logo, Intel Inside, the Intel Inside logo and Pentium are trademarks or registered trademarks of Intel Corporation or its subsidiaries in the United States and other countries.

* Other names and brands may be claimed as the property of others.

Copyright © 2003 Intel Corporation
0403/TB/AY/HOP/33K
Order number: 251952-003

Intel Confidential

